THE NEW

FLORIDA SKIP

VOL. 30 NO. 6 THE ALL-FLORIDA AMATEUR RADIO PUBLICATION February 1987 75 CENTS

LET US NOT FORGET!

The strength of Amateur Radio comes from many sources but probably the strongest sustaining force is that of our attitude. I mean specifically our attitudes about what the hobby means and for what purposes it should be used.

While we each have our own personal innovations and contributions to the enterprise it is valuable for us to turn back to that one who most set the standard for a titudes and priorities in amateur radio, Hiram Percy Maxim.

Maxim's family came to America as immigrants, victims of persecution because of religious beliefs. Hiram's father finished only the 5th grade but was self taught and became an inventor of some fame. Then Hiram was born in 1869, into a world that was without electric lights, power streetcars, automobiles or even bicycles. Hiram became an inventor like his father and is best known for his gun silencers and early perfection of motor cars. He didn't become a ham until he was 42 years old and his son was 11. But I've said enough of his background for now.

Because of his energy, his forsight, and his establishing of direction for Amateur Radio, we now can enjoy the hobby with relative security and much productive pleasure. I offer you now just two of his quotes both of which I believe are cornerstones of our enterprise.

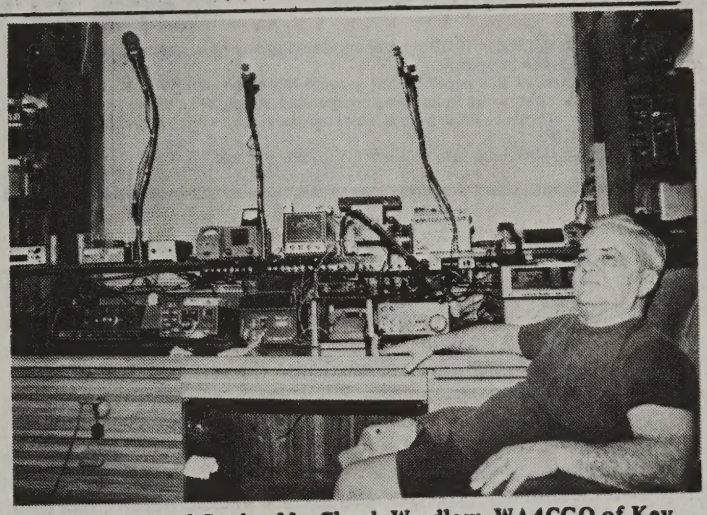
At the first National Radio Conference, one in which the line between commercial and amateur radio was drawn for the first time, Maxim and those around him fought hard to keep the amateur effort alive. There were millions of commercial radio listeners but only a few thousand radio amateurs. While most "radio" publications turned to commercial interests Maxim directed that our journal, "QST," should remain devoted to amateur radio. He is quoted as saying, "With the amateur, radio communication is a labor of love, whereas with the professional it is labor for a day's pay. There is a tremendous difference between the two. Monetary return does not count with the amateur! It is the whole thing with the professional. No sacrifice is too great for the amateur to make, if he can get his signals through, and the answer back. Sitting up at night, sacrificing pleasures to save to purchase better equipment, trying innumerable experiments . . . bever giving up, are a religion with the amateur. . ."

He also said in an editorial in QST, "Amateur rdio is still

(QSY back page Col 1.)

COMING EVENTS

SHARC Hamfest Inverness, Feb. 7th.
Miami Tropical Hamboree Feb. 7 & 8th.
Pinellas Park Boys Club Hamfest Feb. 22
Free Stuart Hamfest, Jensen Bch. Feb 21
Hernando Hamfest Brooksville, Feb. 28
Ft. Myers ARC Hamfest Mar. 7th
Orlando Hamcation, Mar 13-14-15
Ham/Swapfest, f. Walton Bch. Mar 21 22
PBRA Hamfest, W. Palm Bch. Nov. 21 22
Did we forget anyone? Kindly get your dates in early to avoid conflict. TU AC



Meet the King of Conks, Mr. Chuck Wardlow, WA4CGQ of Key West. FL. Chuck who is sightless, is well known in South FL for his outstanding 2 meter signal. After severe damage to his shack Chuck completely rebuilt this find looking shack. With stacked 2 meter arrays up about 60 feet he can switch from one set to the other. He has continous monitor system and has assisted many marine and aircraft in the past 10 years Look for WA4CGQ on the Dade Emergency Net each Wednesday at 8Pm on the SFFMA 147.000 machine. Congratulations Chuck - you did a great job!! (Photo by KB4PEZ - Gus.)

THE NEW WORLD OF AMATEUR RADIO

"The New World of Amateur Radio" is the working title of the new ARRL videotape just about to start production. It was authorized by the ARRL board of directors last July as a replacement for the popular "World of Amateur Radio."

Roy Neal (K6DUE), who has produced many films and tapes for the American Radio Relay League and for NBC News, met with ARRL Executive Vice President Dave Sumner, K1ZZ, in Hartford, Connecticut, on December 6 and reached agreement on a fast paced magazine format for the production.

The program will run about 30 minutes and will be made available to the public via broadcast and cable television systems. It will emphasize the fun and excitement of operating amateur radio gear and will depict, whenever possible, the newest generation of hams in action.

Forrest Oden, N6ENV, will assume the responsibility of producer and editor, while Bill Pasternak, WA6ITF, will be the technical supervisor and field producer. Both have worked on previous League presentations, including "Amateur Radio's Newest Frontier" and "SAREX — The Shuttle Amateur Radio Experiment."

The producers have already begun a search for interesting stories, people and, of course, professional production assistance. The search for talented television people, like for the program itself, is world wide in scope. Assistance from the amateur radio industry is also being sought.

If you have any suggestions or material, or if you wish to volunteer to work on this project, please write to Bill Pasternak, WA6ITF - TNW0AR, 28197 Robin Ave., Saugus, CA 91350, or via MCI Mail to BPASTERNAK.

(The WESTLINK REPORT)

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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266.

EDITORIAL

We are extremely happy with the response from all of you on the new FLORIDA SKIP. We are still receiving renewal coupons from "Last issue Dec. 1986" . . . Please understand, since everything is now computerized we cannot send "back issues" because you were late. We will process your renewal into the Aragon Technologies computers and generate a new label starting with the following issue AFTER we receive your renewal fee — of $8.00.

Our January issue was mailed right on time last month in spite of the hectic holiday load. Our new mailers are A&B Bulk Mailers, Inc. of West Hialeah. Mike and Bill are the owners and we feel they will give us good service each month.

PLEASE don't forget our deadline for all "copy," renewals, commercial ads are the 10th of each month. We can ACCEPT HAMBARS up to the 15th. Ye Editors type all the HAMBARS here in the shack. By the way, if I booboo on your HAMBAR address or phone number, please cut it out and return with the correction, and we will rerun it the following month free of charge. If we goof we will gladly admit and correct it!

In this issue we are starting up the QCWA column again. Shortly we plan (space permitting) to take limited Net and Club news.

Ye Editor is feeling fine, thanks for your prayers and best wishes.

HAVE A HAPPY AND HEALTHY NEW YOU. — 73/88 AC

SILENT KEYS

We are deeply sorry to list the following silent keys. If you hear of any in your area, kindly submit them for publications. Thanks!

W4IIR	Woody Zellers	Floral City
KD4TE	John Russell	Brooksville
K2JBY	Charlie Rath	FL/Holland NY
W2GBK	Kay Nuttall	FL:Jamestown, NY
KD4KK	Laurence E. Leonard	Mount Dora
W4EFV	Judson "Van" Vanderhoff	Merritt Island
W4HN	Howard Mehurling	Miami Springs
KB4HXD	Bob Wright	Melbourne
WD4AXE	Ward Hartsock	Jacksonville
WT4B	Edgar Ropke	Bradenton
N4EUB	Ed Marsh	Spring Hill
WD4FQO	Leon Whitton	Sarasota
N4KN	John J. Huey	Sun City Center
W4PLQ	Henry Ozga	Bradenton, FL
W4TTB	Kaarlo J. Sandstrom	Clearwater

NEW FLORIDA REPEATER MAP

The only one of its kind. The 1986 5th edition of the Florida 2 meter map is off the press. Another beautiful job by Editor, Bill Tucker, W4FXE with sincere thanks to the Florida Repeater Council. Each City has its own box with frequencies listed therein. There is another list by frequency along the side. Map is again printed on 11 X 17 inches, black on golden rod, easy to read, 20 pound bond paper. Once again we are keeping price down to only 25 cents each with your No. 10 (business size) envelope, self addressed and 22 cent stamp. Send to: Map, Florida Skip, P.O. Box 501, Miami Springs, FL 33266.

LETTERS

Dear Andy:

Words cannot express how happy I was to receive the first copy of the New Skip. I must apologize for not writing you before, but please believe me that mine and Vivian's (W4ZOL) prayers were with you.

We have a tendency to take things for granted, like receiving Skip every month, but don't realize how really important they are to us until they are taken away.

Welcome back and Best of LUck!

73s,
Royal Orton, W4MLS
6120 Banyan Terr.
Plantation, FL 33317

•

Dear Andy:

I have just returned home after some of my own plumbing problems and was extremely pleased to find two copies of FLORIDA SKIP waiting for me. Our prayers went out to you when we heard of your illness and our prayers, as I am sure yours also, were answered.

Enclosed is my check for nine dollars ($9.00) to cover a one year subscription to SKIP plus a little extra for the Ham Calendar and postage. It is wonderful to know that you are rapidly recovering and that we can again look forward to receiving FLORIDA SKIP each month. It is, without a doubt the single best Newsletter that I have ever had the pleasure to receive. My next question is . . . does your bookkeeping allow you to handle multiple year subscriptions? I am so forgetful, and don't always look at the label on the front page. I have failed to receive SKIP before and then realized that another year had snuck by on me . . . they seem to come and go so fast these days.

Continue to rest easy, Ol' man and get your health back before you start grinding that nose down again.

Sincerely,
Gilman M. Gates, N4LOA
1411 22nd Street
Niceville, FL 32578

(Editor's Note: Thanks Gil, your only expiration notice will be on your mailing label. We do not have time to send out special notices anymore.)

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FLORIDORA YLs

On March 14, the Floridora YLs will be celebrating their 30th anniversary with a luncheon at the Orlando OMNI Hotel, headquarters for the Orlando Hamcation.

There have been over 400 licensed YLs who have been members of the Floridora YLs over the years, with many of the original 30 charter members maintaining active membership. The group has a net that meets every Tuesday at 9 a.m., Eastern Time on 3.933 MHz — a net that has been opeating for over 30 years.

The luncheon will have limited seating with reservations being available after January 1, 1987. Two prominent YL hams have been selected as speakers.

FREE 1987 CALENDARS

It's that time of year again when FLORIDA SKIP offers a neat Ham Shack size, multi-colored calendar FREE to its members. This will be our 23rd year in sending out free calendars. Needless to say, we have given away thousands of calendars during this time of period. It measures 3½ by 5¾ inches. It has on each page (month), last as well as next month in large bold numbers. Easy to read at a distance. These calendars cost SKIP about 26 cents each, but they are free to all members, however; if you wish you can send a small donation. To get your free calendar, send a SASE (Self Addressed Stamped Envelope) to Calendar, FLORIDA SKIP, P.O. Box 501, Miami Springs, FL 33266. Thank you & SEASONS GREETINGS! !

FLORIDA SKIP, INC.
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Miami Springs, Florida 33266

Enclosed is $8.00 FOR 1 year subscription to FLORIDA SKIP. My mailing address is:

☐ New ☐ Renewal

My CORRECT address is: Call _____

Name _____

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State _____ Zip _____

27th ANNUAL

TROPICAL HAMBOREE
ARRL FLORIDA STATE CONVENTION
FEBRUARY 7-8, 1987
DADE COUNTY YOUTH FAIRGROUNDS

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Telephone during show: (305)223-7060

REGISTRATION $5.00 until January 30, 1987. $6.00 after January 30th
SWAP TABLES $16.00 each, power available for all tables.
ON SITE CAMPGROUND: 300 sites with full facilities $10.00 per night.
HEADQUARTERS HOTEL: Ramada Hotel, 3941 N.W. 22nd St. Rates: $45.00 Sing., Dbl., Tpl., Quad.
HAMBOREE HOURS: 9:00 A.M. to 5:00 P.M. Saturday; 9:00 A.M. to 4:00 P.M. Sunday

TENTATIVE PROGRAM SCHEDULE (May be adjusted to meet convenience of our speakers)

Due to circumstances beyond our control, sponsors of "Around the World Fair" have moved date to Feb. 1, so visit to Fair has been cancelled.

SATURDAY

REPEATER COUNCIL MEETING
"HANDS ON" CRAFTS DEMONSTRATION
AIR FORCE MARS MEETING
CPR PRESENTATION
DX FORUM

Topics: • Dx-peditioners "Telling It Like It Is from the Other End" • QSL Etiquette • DX Antennas • QRP Dx-ing • DX Hospitality Suite at Ramada Hotel Sat. Eve., 6 p.m. til ???

RCA FLA. SECTION LUNCHEON
PACKET RADIO FORUM
SATELLITE COMMUNICATIONS
AMATEUR RADIO LEGAL MATTERS
INITIATION FOR ROYAL ORDER OF THE WOUFF HONG

SUNDAY

TRAFFIC HANDLERS FORUM
"HANDS ON" CRAFTS DEMONSTRATION
FLORIDA ARRL MEETING FOR MEMBERS & OFFICIALS

PACKET TRAFFIC FORMATS
WASHINGTON REPORT
FLORIDA SKIP AWARDS
MAIN HAMBOREE AWARDS CEREMONY

The following are some of our distinguished speakers:

Michael Riley, ARRL Field Communications Dept.
Jan King, AMSAT
Lyle Johnson, TAPR
Christopher Imlay, ARRL Counsel
Frank Butler, Jr., ARRL S.E. Div. Director

RCA FLORIDA SECTION LUNCHEON will be held on Saturday, February 7th at the Ramada Hotel
- Luncheon 11:15 A.M. in the Ramada Restaurant (order from menu)
- Meeting and Technical Presentation — 1:15 P.M. Ramada Meeting Rooms

AWARDS! AWARDS! AWARDS! AWARDS! AWARDS!

APPLE, MACINTOSH COMPUTER SYSTEM . . . TS 440S/W TUNER . . . IC 735 . . . FT 727R . . .
KENWOOD TH-21 AT or ICOM ICu2AT 2M. HANDHELD EVERY HOUR
LADY'S DIAMOND AND SAPPHIRE RING . . . MORE ON THE WAY EACH DAY

TALK-IN: 40/00, 442.8 (N41DN), 443.375 (KJ4DI)

AMATEUR RADIO LICENSE EXAMS: Saturday, February 7th — all classes Novice thru Extra. No pre-registration required. Exams will be conducted at Dade County EOC located at 5600 S.W. 87 Avenue (CD Center). All persons wishing to take exams should be at the site by 9:30 A.M. in order to complete required paperwork. Exams will begin at 10:00 A.M. Please bring photostat of present license if you are upgrading. $4.25 exam charge payable to ARRL/VEC. DO NOT CALL OR WRITE TO DADE COUNTY EOC REGARDING LICENSE EXAMS. ALL INQUIRIES SHOULD BE SENT TO HAMBOREE CHAIRMAN.

For further information, maps, hotel reservation forms, brochures, write:
Checks payable to: Dade Radio Club
(Tkts., Tables, Camp)
Dade Radio Club
P.O. Box 350045, Miami, FL 33135

TOP TWENTY TRAFFICERS — DECEMBER 1986

By WA4PFK and N4ADI

1.	W3CUL	3901	11. WA4PFK	683
2.	W3VR	1878	12. AA4HT	672
3.	K4EUK	1631	13. WC4D	604
4.	KA4AMC	1536	14. W4NFK	543
5.	KB9LT	1110	15. KF4JA	539
6.	WA4QXT	1007	16. AA4BN	524
7.	WD4IIO	966	17. AA4FG	502
8.	N4PL	926	18. K4SCL	472
9.	WX4H	784	19. K4IA	470
10.	K4ZK	733	20. KC4VK	285

TRAFFIC HOUNDS — DEC., 1986

By K4ZK, STM. SO. FL.

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MANAGER
QFN	1055	17.1	1642	26.3	62	W4NFK
FMTN	752	24.3	848	27.3	31	IN4ADI
GN	338	10.9	525	16.9	31	WX4H
TPTN	751	24.2	895	27.7	31	KC4VK
SEFTN	895	28.9	329	10.6	31	KF4RL
SWFTN	1162	43.0	314	11.6	27	KI4ZW
FPTN	1323	42.6	509	16.4	31	WB4WYG
SVTN	643	20.7	230	7.4	31	KB4LB
FAST	415	13.4	188	6.1	31	W4SME
QFNS	235	7.6	172	5.5	31	WA4QXT
FMSN	390	12.5	326	10.5	31	WD4KBW
FPON	626	20.2	136	4.4	31	WB4GCK
SPARC	595	19.1	35	1.1	31	K5HHH
PBTN	283	14.1	46	2.3	20	K4FHW
PRVAN	23	4.6	12	2.4	5	WD4KBW
ENMC	27	9.0	0	0.0	3	K4ZK
AIN	59	14.8	1	.3	4	WA4PFK

1987 HANDBOOK AVAILABLE

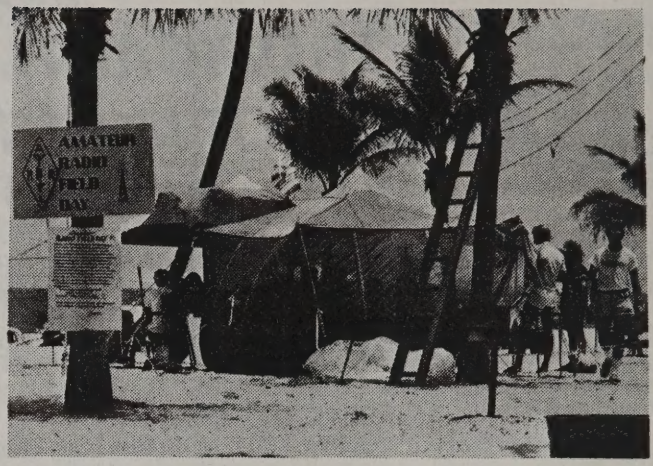
The brand new 1987 **ARRL Handbook** contains a wealth of information for amateurs of all interests. In its 40 chapters containing over 1200 pages, readers will find state-of-the-art sections on subjects as diverse as amateur satellite operation, propagation, filter design, QRP or QRO HF transmitters, station accessories, even 23-cm FM television! The **ARRL Handbook** is a must for any technical library. The Handbook is available for $18.00 paperbound, or $27.00 clothbound. If ordering from HQ add $2.50 shipping and handling ($3.50 for UPS).

KNOW FIRST! Ham radio fanatics — you need THE W5YI REPORT, a twice-monthly award-winning Hot Insider Newsletter. Acclaimed best! Confidential facts, ideas, insights, nationwide news, technology, predictions, alerts. Quoted coast-to-coast! We print what you don't get elsewhere! $21.00 annually w/money-back guarantee! FREE SAMPLE for S.A.S.E. (two stamps). W5YI, Box 10101, Dallas, TX 75207.

FCC DENIES EMP PETITION

In July, two individuals submitted a petition to the FCC requesting a Notice of Inquiry on the subject of Electromagnetic Pulse (EMP) and possible countermeasures. This included a possible FCC requirement that some civilian communications be shielded and bypassed against EMP. on December 5, the FCC denied the petition. The FCC said that comments it had received on the petition pointed out that the President had established the National Security Telecommunications Advisory Committee (NSTAC) in 1982. NSTAC has established an EMP task force to examine the EMP threat. At the urging of the task force, the American National Standards Institute is developing standards for implementing the EMP task force recommendations.

(THE ARRL LETTER)



The 3rd week-end in June will soon be here. The ARRL Field Day is the place to have fun!! This photo was sent to you last year, but no details onback of photo. Think it was the Daytona Beach ARA operataing FD on the Beach for the public to witness. The sign on the left helps explain whats going on. Plan on your club getting on Field Day this year. Please give details on back of all photos submitted for publication. By the way I'm almost out....HELP ! Ed.

DOES IT REALLY COUNT?

By Dick Hill, WA4PFK, SM SFl.

I still occasionally hear region reps checking in and telling the NCS to give the net credit for one received and already delivered. The region net should get credit for the message handled and the station who received the message and delivered it gets credit for both — BUT, the message was not handled on the net to which the rep was returning and should not be counted as traffic handled on the net.

Along this same line, often when traffic is heavy a rep will QNI and tell the NCS he is holding some number of messages. If these are not handled on the net they should not be counted by the NCS — the purpose of the rep informing the NCS of how many QTC he already holds is so the NCS will know not to overload him. It is also important to remember that a region rep does NOT represent a net — it is the section which is represented, in the case of Florida the 4RN and RN5 reps represent the combined Northern and Southern Florida Sections. For Cycle 2 during the daytime, the combined section level nets for Florida are FMTN (12 noon, 7247) for the "up" cycle and TPTN (5 P.M., 3940) the "down" cycle. QFN (7 P.M. and 10 P.M., 3651) is the combined section level net for Cycle 4 during the evening.

It is only these three nets which have official responsibility for designating region reps. The region net NCS may call for additional stations to act as alternates when traffic is heavy. Also, while it is not encouraged on a routine basis, a station may QNI a region net as a Fla. alt. if he holds traffic for the region net that was not passed on the appropriate section level net. There are, of course, several other section level, as well as local nets which are extremely important in the dissemination of traffic. Florida is one of the areas with an extremely large flow of traffic.

Everyone handling even just one piece of traffic should file a Station Activity Report (SAR) with their respective Section Manager (SM). These should be sent so they are received no later than the fifth of the month and are counted as follows:

A. Originated (for others, not yourself) and sent	2 points
B. Received and sent	2 points
C. Received and delivered	2 points
D. Received	1 point
E. Sent	1 point

GMT GONE?

Yes, Greenwich Mean Time is gone! The reasons? The high cost of maintaining the atomic clocks at the Greenwich Observatory in England. Effective last December, it was replaced by Universal Coordinated Time, kept by some 150 atomic clocks around the world.

—Central Arkansas Radio Emergnecy Net, Little Rock, AR

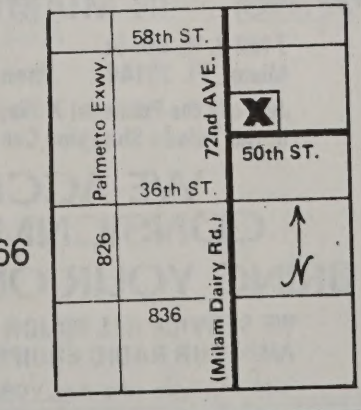
WE'RE HERE

WE'VE MOVED!!!

WHY? To serve **you,** our **valued customer,** with the best quality prices and service that you deserve.

WHERE? **5001 N.W. 72nd Avenue,** directly on Milam Dairy Road and the corner of N.W. 50th Street. **You can't miss us!**

WHEN? **As of January 2, 1987** . . . a new era starts in communications in South Florida! Stop by and visit our new hi-tech showroom with all the major brands on display!



INTERNATIONAL RADIO SYSTEMS

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(305) 594-4313/4314

Hours: Mon.-Fri. 9:30-5:30 Sat. 9:30-2:30

HANDY HINTS and IMMUTABLE LAWS FOR ANTENNA BUILDERS
(From Amateur Radio, Australia)

Never climb a tree you can't get down if the ladder vanishes.

Never assume an RF path is cold unless you have checked it — with someone else's finger.

No matter how much wire appears to be on the spool, it is always at least 3" too short.

No matter how many trees you have, they are not in the right places . . . or, if they are in the right places they won't be big enough for another 50 years.

Anything will work as an antenna to some extent, but nothing works as well as it should.

The impedance of any new antenna is always outside the range of your tuning unit.

You can change ionospheric propogation paths — if you build a V-beam or Rhombic for a particular path, the path will move at least 20 degrees by the time you fire up.

Breaking strain of a wire is easily determined; it is always 10 kg less than the minimum required to get it up in the air.

By refernce to handbooks you can always prove that no useful antenna can be made from the material you have on hand.

(ARNS)

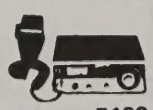
GEARVAKf TESTING VOICE PACKET RADIO
(From GEARVAKf Bulletin, K8DMZ Editor, Enon OH)

The GEARVAKf Technical Experimentations Committee (GEARTECH) has just released the results of it's first tests of the new voice encoded packet system developed at the GEARVAKf Scientific Laboratories. According to GEARVAKf Chairman, Dr. Avruell U. Harnishe, instead of using a keyboard, VoicePak, as it is called "uses direct ditigal conversion of the operator's voice in the transmitted packet." Although the system seems to work well, Dr. Harnishe said that "no method of receiving the voice encoded packet has as yet been found."

(ARNS)

CASA MARCONI, INC.

"FIRST" PRE-OWNED RADIO COMMUNICATION EQUIPMENT



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WE SERVICE ALL MAJOR TYPES OF AMATEUR RADIO EQUIPMENT ! ! !

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AS I SEE IT
(From Mike and Key, Cincinnati ARC, By K2RJ)

Last month, I, along with another club member, visited the widow of a Silent Key to help her determine the worth of the remaining items in the shack. Like many of us, this Ham was a collector and prided himself on having a part for anything (built before 1968!), The widow thought she had a veritable gold mine, unfortunately she was disappointed.

The scene repeats itself year-in and year-out and lays heavily on us who are called to help liquidate estates. It seems cruel for a widow to rent a dumpster to dispose of many of her husband's treasures.

I would like to suggest that all hams, but especially those over 50, take a good look at all that Junk they are storing in the basement, attic or garage and get rid of anything that hasn't been used in the last 5 years. If you think something is too valuable to throw out, get the opinion of another, preferably younger, amateur. He may help you get a new perspective on things. This would be a good time to make a log of all your station equipment and what it is worth. I might suggest that the figures be reviewed by another Ham for realism. If you don't have the time or stomach for doing the above, at least think about taking out an extra $1,000 life insurance policy for the specific purpose of your junk. It's only fair.

(ARNS)

940S MODIFICATION

The 940S is capable of operations on all frequencies for transmit and receive from 1.8 MHz through 30 MHz. To modify the radio two diodes need to have their leads cut and then the main microprocessor needs to be reset to ensure that it has acknowledged the change.

Here's a step-by-step program for the modification:

—Remove the top and bottom covers of the TS-940S.

—With the front of the TS-940S facing you, on either side of the front panel are two flat head screws. Remove these screws from both sides.

—Be careful that the front panel doesn't fall forward during this operation.

—Next find the digital unit B board that is in the enclosure where the VS-1 is mounted. This board will be the closest board to the front panel and on the right side.

—Next find the D130 and D135 diodes. D130 will be on the right side of the board approximately 1/4 of the distance from the right side of the board. D-135 is in the lower side of the board with D-136 next to it. The printing may be covered by the diode so carefully push the diode so you can identify the correct one.

—Once the diodes have been found, cut the leads then press and hold the (A-B) switch.

—Turn the power switch off and then on. This will reset the main microprocessor.

That's it. Reassemble the unit and have at it.

(from NNN0GAL FIVE & SARA "The AMPLIFIER")

BEER CAN VERTICALS
By Vernon Phillips, W7KG

Beer can vertical antennas became popular when amateurs were able to return to the air at the end of World War II. Cans were made of steel in those days and could easily be soldered together for a reasonably effective antenna that did not require much space.

The first consideration was to determine the number of cans required to arrive at 1/4-wavelength for the desired frequency.

Resourceful amateurs wasted very little when undertaking such a project. Instead of consuming the beer in the normal fashion, several Montana amateurs distilled the alcohol from the beer and used it in their torches to solder the cans together. Not only did this reduce waste, but it left the amateurs with clear heads for operating.

Yellowstone RC, Billings, MT

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"GOOD AMATEUR PRACTICES" GROUP?

Don't be surprised if an **Amateur Ethics Committee** is created with the FCC supporting their recommendations to the point of issuing sanctions against those who violate Part 97.78 decreeing that "good amateur practice" should be observed by all licensees. At least one Commissioner is unhappy with the current direction and level of cooperation among amateur radio operators.

Florida amateur, Henry Luhrman, W4PZV, sent a letter to Commissioner Dawson protesting the activities of a group known as "Black Sheep Net" who operate domestically in the so-called "DX window" — 3.790-3.800 MHz. Dawson responded to Luhrman's letter and sent copies of her response to members of the net. Some answered her letter. In any event, the QRM went away — at least for a while. It is now reported back.

Dawson wants amateurs themselves to spell out what they feel good amateur practice consists of. Jack Richards, Dawson's Legal Assistant, called in ARRL Washington Coordinator, Perry Williams, W1UED last month to discuss the beefing up of Part 97.78 and the possible establishment of an amateur ethics group which would discuss and decide on proper amateur operation. This would then be used as a standard by FCC monitoring stations and the Volunteer Monitoring Service.

Williams said that the concept needed the right kind of support from the FCC. He said FCC Field Office personnel should make more of an effort to work with local amateur auxiliary groups, interference committees, and so forth. He added "The Private Radio Bureau should take the best case they have got built on Volunteer Monitoring evidence before an Administrative Law Judge. Until those things happen, the volunteers are not going to feel that the FCC is serious about using their help to clean up problems in the Amatuer Service.

Richards also said that Dawson would like to write a "guest editorial" . . . for QST to stimulate amateur involvement."

Another interesting comment from Perry's report on his visit to Dawson's office is the Commissioner's are now beginning to feel that obscene and indecent speech are not necessarily always protected under the First Amendment.

NOTICE 440 REPEATER OWNERS

We understand that Florida now has many 440 machines on the air. In order to assist all concerned, we are thinking about coming out with a 440 repeater map for Florida — just like our 144 map. In order to do this we need the information from all 440 repeater trustees. We will start collecting the information now and by mid-year will consider printing a 440 repeater map, if enough info can be collected. Kindly send all 440 info to Harlan Cohn, W4UIM, 9831 Colonial Dr., Miami, FL 33157 soon as possible or call 305-251-4983.

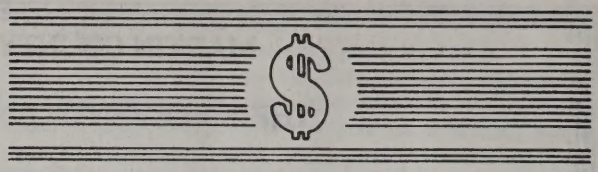
SOMETHING NEW ON TWO METERS

Henry Alexander N4HVO, President of the Magic City Amateur Radio Club in Miami who is employed by the United States Social Security Agency has the approval from his supervisors to answer questions in general about the new Social Security program. Henry will be on the North Miami 147.21 machine each Thursday after the club holds their Swap net. Here is your chance to get the answers without a delay on the telephone or waiting in a long line. If Henry can not answer your question he will get the answer for the following Thursday or refer you to the proper department.

RSGB PACKET NEWSLETTER

The Radio Society of Great Britain has announced a new newsletter devoted to packet radio. **Connect International** will include full-length technical articles, discussions of packet hardware, software and protocols, a beginners column, operating news, information and a general international slant on packet. Subscriptions for air-mail delivery of **Connect International** are 6.93 Pounds Sterling in North America to cover issues through June 1987, and 9.24 Pounds annually thereafter (all subscriptions are renewed on July 1 annually). Your local bank may be equipped to issue checks in British pounds as well as other foreign currencies. The address of the RSGB is: Radio Society of Great Britain, Lambda House, Cranborn Rd., Potters Bar, Herts. EN6 3JW United Kingdom.

(THE ARRL LETTER)



Taxes

What is most of Florida's tax money used for?

Educational facilities get the largest portion of Florida's tax money. The next largest expenditures are for hospital, health and welfare and highway construction, respectively.

What tax savings does Florida offer?

27 states have a sales tax on groceries, Florida does not; 27 tax medicine, Florida does not; 43 states also tax income, Florida does not. Florida is one of only six states having homestead tax exemption — and its exemption is the highest.

What is homestead tax exemption?

Homestead tax exemption frees from taxation the first $25,000 of the assessed value of a residence (including condominiums and cooperative apartments). It does not apply to rented, vacation or seasonal residences, or homes or apartments used part of a year. Application must be made between January 1 and March 1 each year, and the applicant must be living in his homestead the preceding December 31.

Widow and disability exemptions of $500 may be received in addition to the above exemption.

How are Florida real estate tax-values determined?

The Florida State Department of Revenue requires that all County Tax Appraisers assess real estate at full 100% value.

Can real estate taxes be appealed?

Yes, the Property Appraisal Adjustment Board, consisting of three members of the Board of County Commissioners and two members of the School Board, may reverse or confirm decisions of the Property Appraiser. Additional steps of appeal are also available. For full information, consult your local property appraiser.

Does Florida have a state income tax?

No, such a tax is prohibited in the state constitution. As of 1971, there is a corporate income tax but no income tax on individuals.

A sales tax?

Yes, 5%; but it does not apply to a number of essentials, including foods and medicines.

A utilities tax?

There is only a 5% state utilities tax on commercially-used fuel oil. There is a legislative act which permits municipalities to levy a city tax of up to 10 percent on each utility bill. Some cities assess this and some do not. Additionally, utility customers pay a franchise tax of a few cents per bill, which varies from utility to utility. This usually ranges from 5 to 15 cents.

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THE FCC INFO PAGE

EXAMINATION

Dunedin, FL VE Amateur radio exams the first Monday of each month, 7 P.M. at Dunedin High School (Foreign Language Building), 1651 Pinehurst Rd. Bring original and copy of license. POSITIVE ID, $4.25 fee. Talk-in freq. 145.210 or 145.310. Walk-in will be accepted. Details from KI4MO or AA4WN.

NORTHWEST FLORIDA EXAMS — CRESTVIEW

FCC exams are given the second Saturday of each third month, at 9:00 A.M. Local, at the Council on Aging Building, 298 S. Wilson St., Crestview, FL. Fees $2.00, walk-ins welcome. Free Coffee, 610's on hand. Plenty of rag-chewing, talk-in on 147.36 - WB4CDR/Rpt. Bring Copy of license and an I.D. with picture (e.g. Driver's License.) Next session Feb. 14, 1987. More infor: WB4ORK/CVE, Rt. 1, Box 189 CF, Crestview, FL 32536.

TEST PRICE INCREASE

The cost of taking a ham radio test is going up in 1987. The FCC has approved permitting VECs to charge $4.37 for administering an amateur exam. The new maximum fee reflects an increase of 1.8% in the increase of the Department of Labor Consumer Price Index between October 1, 1985, and September 20, 1986. The fee during 1986 was $4.29.

BROWARD COUNTY

CAVEC exams are held each month on the first Saturday at 8:45 A.M. and the third Thursday at 7:15 P.M. at the Racal-Milgo facility in Sunrise. The address is 1601 North Harrison Parkway. This is the SW corner of Sunrise Blvd. and N.W. 136th Ave., and is at the south end of the new Sawgrass Expressway. All exams are on a walk-in basis. Fee is $2.00 for all except Novice, which is free. Talk in is available on 145.27 (Tx-600). For additional info call Chip, AK4Y (H) 476-8761 or (W) 476-4763 or call Joe, KB4FO (H) 434-8211 or (W) 476-4567 in Broward, or during business hours from Dade 592-8600 extension 4321.

FORT MYERS FCC EXAMS

The upcoming FCC Exam Schedule sponsored by the Ft. Myers ARC (ARRL-VEC) is as follows:

March 21, 1987
May 23, 1987
Sept. 19, 1987
Nov. 21, 1987

Contact Bob Strathy, WV4F, 5428 Brandy Circle S.W., Fort Myers, FL 33907 (SASE) or phone (813) 481-4880 for further information.

DUNEDIN TPA AREA

VE Amateur Radio exams the 1st Monday of each month. 7 p.m. at Dunedin High School (Foreign Language Building), 1651 Pinehurst Rd. Bring original and copy of license, positive identification, $4.35 Fee.

Talk-in freq. 145.210 or 145.310. Walk in will be accepted. Details from KI4MO or AA4KI.

REGISTER YOUR CLASS

Is your club holding a Novice or upgrade course this winter? Register the course with the ARRL Club Services Department now, and we'll be sure to put you in our computerized listing of classes. This will help us direct prospective hams to your club! Also, HQ is developing a list of clubs that have solid connections in college or graduate school video production facilities. If you can help us with some video production projects, contact Curt Holsopple, CSD Manager, at HQ.

NEW FCC ATTORNEY

The new FCC General Counsel is Diane Killory. She is a graduate of the Harvard School of Law, and holds additional degrees from the University of Rochester. Killory replaces Jack Smith, who left the FCC to accept a position with the Federal Home Loan Banking Board as its deputy general counsel.

(The WESTLINK REPORT)

TREASURE COAST EXAMS — VERO BEACH

FCC exams for all Radio Amateur licenses will be given in Vero Beach on Saturday, March 28, beginning at 9:00 A.M., at the American Red Cross Building (25th St. and 17th Ave.). Walk-ins are welcome. Bring original and copy of license, a POSITIVE I.D. and $4.35 fee. The exams will be given under the auspices of the Treasure Coasters Repeater Association. Additional details can be obtained from K4QM.

DADE COUNTY
AMATEUR RADIO EXAMINATION SCHEDULE

LOCATION: Dade County Emergency Opeations Center, 5600 S.W. 87th Avenue, Miami, FL 33165.

Examinations start at 9:00 A.M..

Dates: Sat., Jan. 10, 1987; Sat., Mar. 14; Sat., Apr. 11; Sat., May 9; Sat., June 13; Sat., July 11; Sat., Aug. 8; Sat., Sept. 12; Sat., Oct. 10; Sat., Nov. 14; Sat., Dec. 12, 1987. (Second Saturday of the month.) Tropical Hamboree, Dade County E.O.C., 5600 S.W. 87th Avenue, Miami, FL, Saturday, February 7, 1987 — 9:30 A.M. Walk-in examinations on test available basis. FCC Form 610, photocopy of license, positive I.D., $4.35 check payable to ARRL/VEC needed for exam. Mail FCC Forms and Check to: Bill Miller, N4EFQ, 9910 Collins Avenue, Bal Harbour, FL 33154.

Call for further information: Ron Bell, WN4L, 247-2944 after 6 p.m.

LAKELAND

ARRL Volunteer Exams will be held at 10:00 a.m., Saturday, March 7, 1987 at the American Red Cross building, 1815 Gilmore St., Lakeland, FL. Novice exams are free; all others are $4.35 (chekcs made payable to ARRL/VEC). All candidates must present their original Amateur Radio license (if any) to the VE team before testing. A photocopy is also necessary to forward with exam papers. Walk-ins will be accepted but prior registration will be appreciated with Bruce Britt, N4NGP, 4659 Dossey Road, Lakeland, FL 33811, 813/646-3120. FCC Form 610 is available for a S.A.S.E.

ARRL/VEC DISACCREDITS FOUR VE'S

The ARRL/VEC has disaccredited four of its Volunteer Examiners owing to apparent testing "irregularities" at two sessions conducted by the four VEs. (Although only three accredited VEs are neded to conduct a test session, this VE Team used one VE to serve as "liaison" between the ARRL/VEC office and the team who was directly responsible for the security of the test materials. The other three VEs administered the exams.) The problems surfaced when VEC staffers noted that some exam papers had not been returned by the VE team as required. Because of this and other irregularities, code and written exams administered to 50 candidates at the sessions held by the four VEs have been voided and the Certificates of Successful Completion issued to the candidates at the sessions were recalled. At the request of the FCC's Personal Radio Branch, the ARRL/VEC has submitted to the PRB copies of all the paperwork involving the sessions for review and possible further action.

(THE ARRL LETTER)

EXAM CREDIT

Beginning December 1, the FCC will allow re-examination credit for written test elements passed during an otherwise unsuccessful amateur testing session. Currently, only credit for the Morse code exam is permitted to be carried over.

Another change is that amateur radio examiners who administer Novice Class tests need not issue to the Novice applicant a Certification of Successful Completion of Examination Certificate (CSCE). Instead, Novices will be able to use a photocopy of a pending license application that indicates the applicant has met all necessary qualifications.

These changes are contingent upon budget approval by the Office of Management and Budget for changes to the Form 160.

(THE WESTLINK REPORT)

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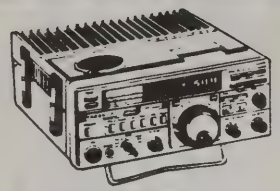

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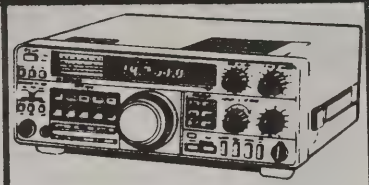

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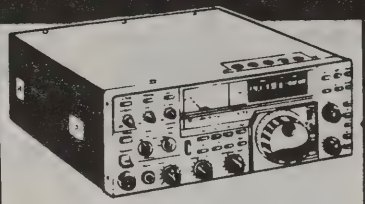

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STATE QCWA NEWS

By Eli Nannis, K4JMH
14996 Imperial Point Dr. N., Largo, FL 33544

Andy requested that I start the QCWA column on a limited basis, space permitting. The chapters can start sending me their reports and any photos of their activities. I have no national news as you all have received the winter edition of the QCWA News. I have been trying to get from HQ the deadline for sending in reports to the QCWA News.

We got some very nice compliments from Board members on the national QCWA 1986 Convention. It was a lot of hard work by the committee but the results were well worth it.

A report on the Convention should be in the next issue of the QCWA News. Join the QCWA SSB Net every Sunday on 3955 KHz at 12.30 P.M.

Lou Weber K4HWS (L) and Phil Stern WA4ZVO receiving their MERITORIOUS Award QCWA from National QCWA Treasurer Wes Randles W4COW at Gator Chapter Meeting in December. Congratulations gents. (Photo via K4JMH)

Q C W A LUNCHEON AT ORLANDO

The citrus Chapter of the Quarter Century Wireless Association , will sponsor a luncheon at the Omni Hotel next to the Orlando Hamcation at 12:30, March 14, 1987. Fee $9. in advance or $10. at door. Join us. Robert E. Ford, W4DPM, 1607 E. Jefferson Orlando, FL 32803.

SIXTH EDITION OF FCC RULEBOOK

The new Sixth Edition (orange cover) of **The FCC Rule Book** is now available for $4.00, plus $2.50 postage and handling if ordered from HQ. If you've never purchased one of these editions, then you're in for a real treat. **The FCC Rule Book** is not just a dry rehash of the FCC rules. This (and past) editions contain many hundreds of commonly asked questions which are answered in a style which is easy to read and understand. Every U.S. amateur or prospective amateur shuld have a copy of the current FCC rules governing Amateur Radio handy.

This ARRL publication is designed to meet that need in a compact, inexpensive volume.

(THE ARRL LETTER)

ZONING PROBLEMS

JOhn Thernes, WM4T of Lakeside Park, Kentucky has spent more than $20,000 (supported by many donations) in order to put up an antenna. In August 1982 his application for a 70 foot tower to support a Yagi was denied. His dipole up 20 feet was also alleged to be illegal. He has gone through many appeals and hearings. A new ordinance limits single rod structures to a height of 50 feet, allows only 8 foot horizontal elements, has a 100 mph wind survival safety requirement and attempts to regulate RFI/TVI which have clearly been preempted by the FCC. The city suggested he use a "community antenna system" which of course was unacceptable. The fight goes on and we will try to keep you informed.

(SARA-THE AMPLIFIER)

OPEN LETTER TO FRIENDS OF THE FCC

Five years ago, Chairman Mark Fowler and I set out to serve the public in the most efficient, expeditious manner possible. It's still our objective! No matter how well we have done in the past, I believe there is always room for improvement. Excellence in public administration can be achieved only through a partnership between the public and private sectors. Therefore, I am calling upon you to help in our continuing search for ways to be more responsive and more efficient. We are determined to make the FCC the best run agency in the Federal government. You can help!

Many areas of our operations and procedures do not involve regulatory policy issues, adjudicatory matters or specific filings. This is where we need your help! How can we streamline our procedures? How can we speed our work processes? How can we improve service to the public? How can we reduce costs? Are there functions we perform which might be better handled by the private sector?

I urge you to focus on processes and proceudres that are subject to future change, even if modification of Commission rule or statute may be required. Certain matters would, of course, not be appropriate to this special suggestion process. Substantive policy and regulatory issues should be addressed through the rule making and petition process, and issues in pending proceedings should be addressed in these proceedings. Pending adjudicatory and other contested matters would be off limits and the Commission's ex parte rules would continue to apply. Pending applications and other filings or requests for authority must be handled in accord with current rules and procedures.

Please give this challenge some thought. Then, if you have a suggestion or idea, please put it in the format on the reverse of this letter and send it to me. We will respond, in phone or by writing, within 30 days. Please keep your suggestion to one page. We will call you if clarification or additional information is needed.

I urge you to submit practical and cost effective ideas. Even better, recognizing our severe budget constrxints, we solicit ideas that can be implemented at little or no cost and those which will reduce future expenses.

Thank you for joining our partnership in the search for excellence.

Sincerly,
Edward J. Minkel
Managing Director

Edward J. Minkel
Managing Director
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

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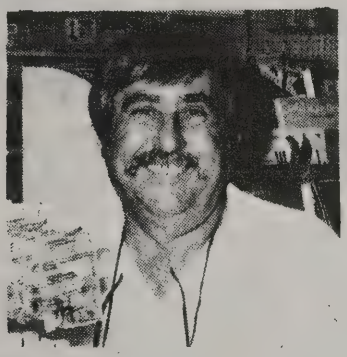

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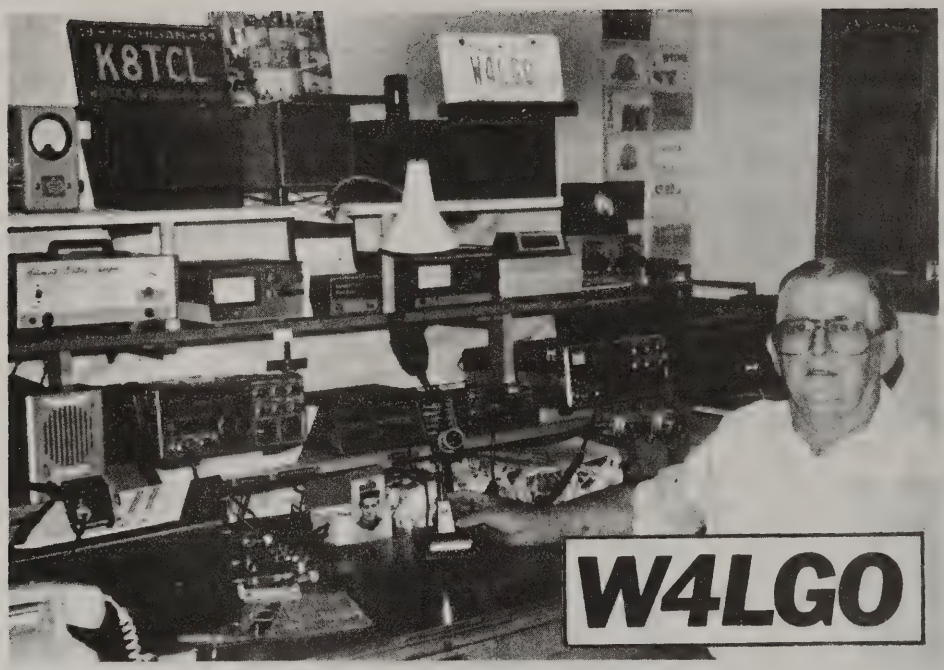

Q S L OF THE MONTH. W4LGO EX-K8TCL, Tom Anderson of Tampa sent us his QSL. A real neat station lay-out. LGO keeps skeds with his W/K8 friends in the frozen north.

CLUB CHALLENGE FOR THE '80s INFO

Yes, new ARRL Senior-Citizen Memberships as well as new regular memberships do count towards rebates and prizes in the "1986 Challenge for the '80s" competitions. Don't forget that to earn credit and a rebate, your ARRL-affiliated club's 4-digit zip code must be marked on the application form. For more information, write "Club Challenge" at HQ.

(THE ARRL LETTER)

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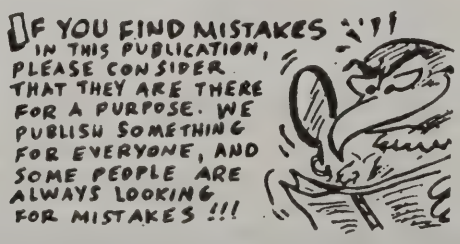
IF YOU FIND MISTAKES !!!
IN THIS PUBLICATION, PLEASE CONSIDER THAT THEY ARE THERE FOR A PURPOSE. WE PUBLISH SOMETHING FOR EVERYONE, AND SOME PEOPLE ARE ALWAYS LOOKING FOR MISTAKES !!!

ATTENTION

Please send your current mailing label when advising change of address. We need to receive changes by the 15th of the month to make changes for the following issue. Thanks

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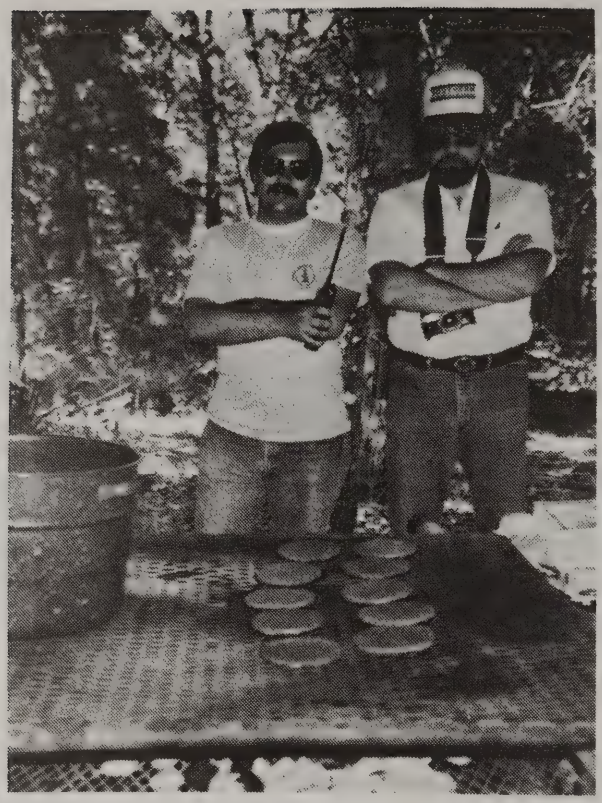


NO THIS IS NOT MIAMI VICE. It is Dave Porter N4IJO and Larry Shumway N5DHY checking on the hamburgers during the very successful combined 1986 Field Day/family picnic conducted by the Daytona Beach Amateur Radio Assoication at Tomoka State Park. (Photo by WB4KRR)

FCC DELAYS ITS PAPERWORK

Until the past month or two, we were accustomed to seeing a mimeographed copy of FCC Orders a few days after the adoption of them and the issuance of a news release. All this has changed: In the interest of economy, the FCC now sends these orders by electronic means to the Department of Commerce, where they are then printed out and released. The format is different in appearance, the type seems smaller — and the process is lots slower! From experience so far, it appears we'll have a wait of a few weeks instead of a few days after the news release to receive the actual document.

(THE ARRL LETTER)

QUESTION POOL RULES EFFECTIVE DECMEBER 31

Implementation of the new rules regarding the VEC maintenance of the question pools will take place December 31, 1986. When the FCC announced the new rules last August, the effective date was not announced, pending the approval of the Office of Management and Budget (OMB) due to certain changes in record keeping requirements. This approval has now been secured from OMB. See the August 15 issue of**The ARRL Letter** or October "Happenings" column in **QST** for more details. The ARRL has filed a petition for reconsideration in this docket.

REPEATER OWNERS/TRUSTEES

To make sure your information is correct in the 1987-88 **Repeater Directory**, you must be sure that your Frequency Coordinator has been kept up to date. All information for the next edition of the **Repeater Directory** will now be communicated to HQ by your Coordinator. Registration forms and a list of Coordinators can be found in the 1986-87 **Repeater Directory**. Registration forms may also be obtained by sending an SASE to ARRL HQ to the attention of the **Repeater Directory**.

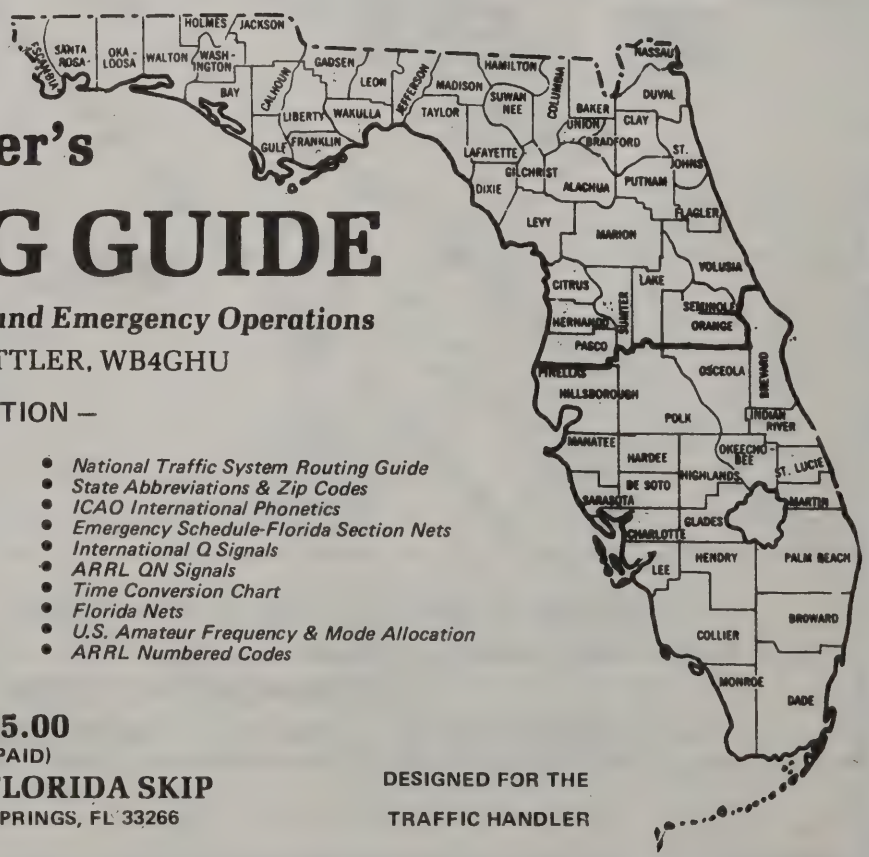
(THE ARRL LETTER)

Florida Traffic Handler's ROUTING GUIDE

A Manual for Your Traffic and Emergency Operations

EDITED BY RON METTLER, WB4GHU

— 6th EDITION —



CONTAINS:

- *Table of Contents*
- *Florida City Abbreviations*
- *Cross-Reference of City/County*
- *Amateur Message Form*
- *U.S./Canadian Third Party Traffic Agreements*
- *Northern Florida Counties & Seats*
- *Southern Florida Counties & Seats*
- *Toll-Free Telephone Relay*
- *ARRL Precedences & Handling Instructions*
- *National Traffic System Routing Guide*
- *State Abbreviations & Zip Codes*
- *ICAO International Phonetics*
- *Emergency Schedule-Florida Section Nets*
- *International Q Signals*
- *ARRL QN Signals*
- *Time Conversion Chart*
- *Florida Nets*
- *U.S. Amateur Frequency & Mode Allocation*
- *ARRL Numbered Codes*

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P.O. BOX 501, MIAMI SPRINGS, FL 33266

DESIGNED FOR THE TRAFFIC HANDLER

WOULD YOU LIKE TO JOIN FLORIDA ARMY MARS?
By Dick, AAR4PP

You can qualify if:
—You're a Florida resident.
—You hold a valid Ham license.
— You are able to commit yourself to a few hours of participation per week.

Your equipment qualifies if:
—It can operate above the 80-meter band at 4.025 and 4.035 MHZ.
You'll enjoy the activities if:
—Passing messages to families of soldiers, sailors, and marines — serving the services — is your idea of rewarding work.
—You are willing to accept the challenge of learning to follow military communications procedures. (New members are expected to join training nets — 7:00 p.m. Thursdays — unless other arrangements are made.)

—After monitoring 4.035 MHZ at 6:00 p.m. for a few evenings, you discover that you'd like to join our action. Please monitor before deciding; MARS is not every Ham's cup of tea!

If you read this and you qualify — and if you listen in and like what you hear — we invite you to apply for membership. Write to Larry Wilker, 2252 W. Austin Drive, Citrus Springs, FL 32630.

U.S. AIR FORCE MARS — FLORIDA NOTES
By Phil McMasters, AFA2XR-PAC

As mentioned last month here, we are into PACKET in Florida MARS Affiliate Stations. One of the most enthusiastic is AFA2ID in Panama City Beach. Don has found that he can receive almost error-free messages from Key West to Minnesota on his HF frequency nets. Our first Florida Administrative Net 2F01 on 4 January had a lot of participants, but without the West Florida stations to act as relays propagation kept AFB2XB in Ft. Myers from being heard as NCR station.

AFB2VV Jim Jones in Lake Placid is welcomed back to active patch activity after recovery from very serious surgery. However his shadow "MURPHY'S LAW" was still around. This time his signal was the usual strength but United Telephone had to filter the radio signal out of the telephone line before a decent patch could be concluded.

YOUR PRICELESS TREASURE
By Ron Sautman, KB4TCX

"Every morning you are handed 24 golden hours. They are one of the few things in the world you get free of charge. Health sometimes costs money to achieve or regain, but these 24 hours cost you absolutely nothing. If you had all the money in the world, you could not buy an extra hour. If you were the meanest beggar in the world, you could not be deprived of a single minute. So in this respect you are on a place of equality with the richest and the poorest.

"What do you do with this pricelss treasure? Remember, you must use it as given at once. You cannot save up a few years for your old age. Once wasted, you cannot ask for what has been lost. Every minute and every hour must be taken advantage of immediately.

"And so, wasted time is even a greater calamity than wasted money or wasted health. Either of these you may regain, but hours, days, months, years wasted are gone forever!"

•

And here are a couple more shorties.

"Only one man has succeeded in ruling the world. He makes maps!"

•

"Lots of things are more important than money. The trouble is that you need money to buy them."

(From TON TOPICS)

THE SKY HIGH AMATEUR RADIO CLUB, INC.
SPONSORS THE SEVENTH ANNUAL CITRUS COUNTY

HAMFEST

ON U.S. 41 THREE MILES SOUTH OF

INVERNESS, FL.

FEBRUARY 7, 1987 • 9 A.M. - 3 P.M.

INSIDE AUDITORIUM — COUNTY FAIR GROUNDS

HAM GEAR, PARTS, SURPLUS ITEMS, COMPUTERS
Now's the time to trade in that hoard of goodies you've been saving, and to replace it with newer and better stuff.

IT'S ALL INDOORS, COME RAIN OR SHINE
Modern 10,000 S.F. auditorium. Tired of being an Orlando pressed ham? We've got eight foot aisles — No claustrophobia.

FOOD AND DRINK
Scrumptuous hot dogs, assorted delicious donuts, coffee, cold drinks.

BIG GENERAL FLEA MARKET
Outdoors adjacent to auditorium. (Not under SHARC sponsorship.)

DOOR PRIZES
Hourly drawings. You must be present to win. Hourly winners' tickets go back in the barrel for the grand prize drawing at 2 P.M. The grand prize will be a two-band YAESU HT Model 727R, and you need not be present to win it. This rig covers both 2 meters and 440 HMz.

REGISTRATION AND SWAP TABLES
Advance admission ticket $2.00 (include SASE for mail return, or pick up at door). Admission at door $3.00. XYL's free.
Swap tables $7.00 each, including one admission ticket.

Write to: SHARC Hamfest
P.O. Box 572
Lecanto, FL 32661
Or phone: Bob Gordon, W1KUL • 904/628-5045

FREE PARKING • **HOURLY DRAWINGS** • **TALK-IN 146.955**

ORANGE BOWL ACTIVITIES

Once again, Dade County ARPSC amateurs were very active in the 1986 Orange Bowl activities. It started with the Junior Orange Parade in Coral Gables Dec. 29, 1984, with 8 amateurs providing communications for the JOB Officials.

Dec. 31st — Then the next day came The King Orange Parade which was nationally televised. Again some 18 amateurs coordinated the communications to get all the buses in the lot at Bayfront Park, to get the parade moving on time and getting it stopped for the TV coverage at the correct time. This year 2 meter simplex was used on all events, except the Junior Orange Bowl Parade. Simplex in the Orange Bowl on the low power worked perfectly, better in some places than the Motorola HT-90s some of the O.B. Officials were using. During the O.B. night parade two simplex frequencies were used. One for parade movement and the other for the emergency tugs and other odd jobs. Both NCSs were in contact with each other separated by only a couple blocks.

Jan. 1st. — Next came the big Orange Bowl Game with 6 amateurs working with O.B. officials in providing private intercomm communications throughout the large Orange Bowl complex. Not only did they handle communications, they did many other odd jobs that popped up. If you saw the half-time show you will realize the tremendous amount of work that had to be on a split-time-basis. Mr. Gene Cokeroft, Asst. O.B. Production Director, said, "The amateurs did an outstanding job, and we surely want them back next year. . ."

The biggest project of all O.B. activities, Jan. 5th, was the O.B. Marathon. With two thousand runners, and about a dozen wheelchairs in the event, 91 amateurs using 5 repeaters to cover the entire 26 mile run.

Charlie Bukoski, WD4LKY, D.C.A.R.P.S.C. Events Coordinator would like to thank his Coordinators, and all amateurs for their wonderful support during this very busy event time of the year. There will be other upcoming public service events and he is looking forward to having more Dade amateurs participate. Watch for further announcements in SKIP or call Charlie at 253-1413 and get in on the fun.

A DCARPSC certificate of appreciation were given to all who participated.

Coupon *Coupon*

Monthly Discount Specials

- Turbo XT, 20 meg Seagate HardDisk with Monitor, 1 year warranty $1295.00
- Panasonic 10801 Printer, NLQ, "As good as a 24 pin!" Normally $395.00, now only $259.00

"You'll have to see the quality to believe it!"

-XT TURBO Compatible Systems starting at $575.00!
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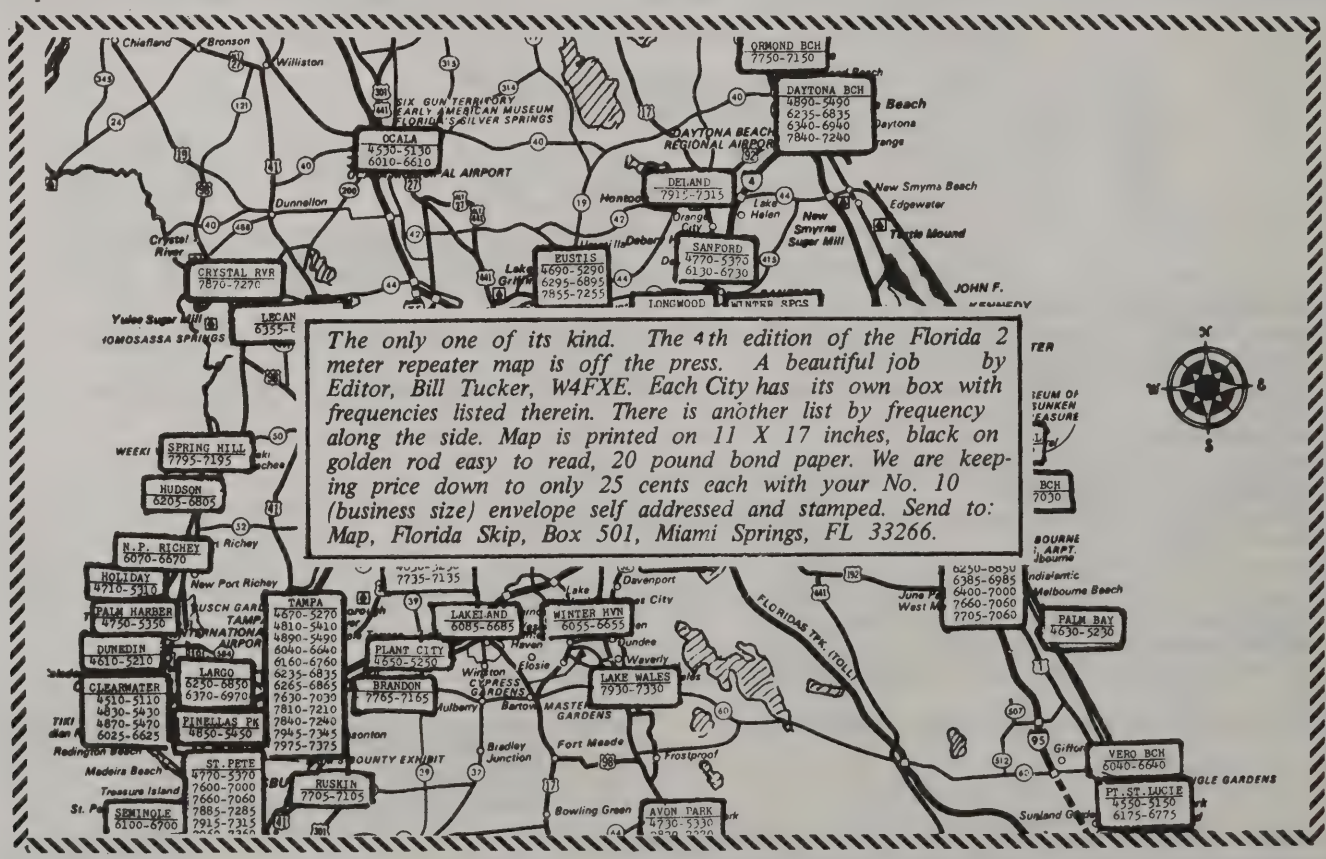
747 South Macedo Blvd., Port St. Lucie, FL 33452
Near Prima Vista & Bayshore (305) 879-6868
Coupon good through Jan. 31, 1987 only..
No other discounts apply.

new products

Surprisingly, Kenwood has announced the new TH-215A 2-meter HT. This is on the heels of the TH-205 brought out just a few months ago. This full-featured rig offers 141-163 MHz receive coverage and 141-151 MHz transmit coverage. Power outputs of up to 5 watts are available depending upon battery pack options. I also has the capability of operating a full 5 watts output when plugged into an external DC power supply. Improvements over the previous model include 2 different types of battery saver circuits, built-in PL encoder and optional decoder, 10 memories with any offset, 9 types of scanning features (?), twistlock battery housing (ala MX) and many many more. From Trio-Kenwood—no prices available at presstime.

Naval Electronics of Tampa, FL. is offering a docking booster designed for the new-generation mini-HT's from Kenwook/Icom/Yaesu. This unit provides power, a 30 watt amplifier and a GaAs FET Preamp. No prices available.


The only one of its kind. The 4th edition of the Florida 2 meter repeater map is off the press. A beautiful job by Editor, Bill Tucker, W4FXE. Each City has its own box with frequencies listed therein. There is another list by frequency along the side. Map is printed on 11 X 17 inches, black on golden rod easy to read, 20 pound bond paper. We are keeping price down to only 25 cents each with your No. 10 (business size) envelope self addressed and stamped. Send to: Map, Florida Skip, Box 501, Miami Springs, FL 33266.
OCALA 4530-5130 6010-6610
DAYTONA BCH 4890-5490 6235-6835 6340-6940 7840-7240
DELAND 7915-7315
SANFORD 4770-5370 6130-6730
EUSTIS 4690-5290 6295-6895 7855-7255
CRYSTAL RVR 7870-7270
SPRING HILL 7795-7195
HUDSON 6205-6805
N.P. RICHEY 6070-6670
HOLIDAY 4710-5310
PALM HARBER 4750-5350
DUNEDIN 4610-5210
CLEARWATER 4510-5110 4830-5430 4870-5470 6025-6625
LARGO 6230-6850 6370-6970
PINELLAS PK 4850-5450
ST. PETE 4770-5370 7600-7000 7660-7060 7885-7285 7915-7315
SEMINOLE 6100-6700
TAMPA 4870-5270 4810-5410 4890-5490 6040-6640 6160-6760 6235-6835 6265-6865 7630-7030 7810-7210 7840-7240 7945-7345 7975-7375
PLANT CITY 4550-5250
BRANDON 7765-7165
RUSKIN 7705-7105
LAKELAND 6085-6685
WINTER HVN 6055-6655
LAKE WALES 7930-7330
AVON PARK 4730-5330
VERO BCH 6040-6640
PT. ST. LUCIE 4550-5150 6175-6775
PALM BAY 4630-5230
ORMOND BCH 7750-7150
DAYTONA BCH 6385-6985 6400-7000 7660-7060 7705-7060
SUNKEN TREASURE
FLORIDAS TPK. (TOLL)

KNIGHTS OF THE KILOCYCLE
"World's Longest Operating Phone Net - 57 years"
By Phil McMasters, W4BCZ

Our first 1987 Net was one of sorrow. W4MFA Dr. Walter Massacaine, one of our faithful members wondered why God took his Son. Funeral was on 5 January from his Catholic Church. The good news was that most members were able to stay away from the Doctor's office. Our MASTER OSCILLATOR (NCS) returned safely from his trip to the north over Christmas, and thanked K9BSL for being his standin on the last session for 1986.

W4SVB in Lakeland was back in the Net with a good signal from his wife's residence with a temporary antenna until they move into their new home where he wonders how the inside disguised antenna (a joint design of his and W4JM's) will work. The very heavy rain did not seem to keep our members off the air.

Although we are an exclusive group of oldtimers, we do not keep any one, male or female out of our fellowship. You must show that you will be a dependable member by tuning to 3910 KILOCYCLES at 7:30 five (5) Sunday mornings in succession and at the end of the roll call, when the Master Oscillator calls for late stations or new stations, let us hear from you. You will get free a membership certificate with a lifetime number, a reminder of your BIRTHDAY and ANNIVERSARY (if you have one) and a "Get Well Card" with our LOGUE and NO DUES EVER. WHERE CAN YOU BEAT THIS? 73.

CONSIDER THIS

While the FCC does not require you to own a peak-reading device (in-line wattmeter, etc.), you are required to abide by the power limits as outlined in Rule 97.

If you wish to measure it to ascertain that you are in compliance, first determine that your SWR is 1 at the frequency you will measure. Insert an in-line peak-reading RF wattmeter that is properly matched to your feedline (a good quality commercial unit is almost a necessity), then calculate the power using the peak RF voltage as indicated by a scope or other peak-reading device. Multiply the peak RF voltage by 0.707, square the result and divide by the load resistance. —Cape Fear ARS, Fayetteville, NC

ATTENTION VEC's

Do not issue certificates for written examination credit, as you do not yet have the authority to do so! The FCC had previously issued a ruling that written examination credit certification issued by VECs would be implemented on December 15th, subject to approval and issuance of a modified Form 610 by the government's Office of Management and Budget. OMB has not yet approved the new form, but some VE teams unaware of the temporary hold have begun to issue such written element certifications anyhow. Such certification is not valid at this time, and acceptability of this examination credit will not be valid. Only certification permitted after an effectve date given by OMB will be permitted. Just when OMB approval will come is unknown, but it is believed the holdup is tied to Novice Enhancement since any change in the structure of the Novice license will necessarily affect changes in the Form 610. This being the case, it would be financially imprudent for OMB to approve one expensive modification to the form, permit its printing in mass quantities and then obsolete it within a few weeks for yet another revision. It is not not expected that written examination credit will be permitted until sometime after the Report and Order on Novice Enhancement is completed and a single revised Form 610 can be designed, printed and placed into general circulation. According to Fred Maia of the W5YI Report VEC, the FCC notified all VECs by telephone of the delay in implementing the terms of the Report and Order on PR Docket 86 - 63 on December 18, which was three days AFTER the new regulations had been scheduled to have gone into effect. It is unknown, but highly doubtful, if those amateurs who currently hold VE issued Written Examination Credit certification will be permitted to use them in future exam sessions, but if you currently hold such a certificate do not dispose of it yet, as the FCC in Washington will now be forced to make a legal determination of its validity.

(Thanks to WESTLINK REPORT)

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AMATEUR RADIO CENTER, INC., Your Radio Communications Department Store, Can Set You Up With: HF, VHF, UHF, RTTY, CW, Amateur, Marine And Commercial Systems To Meet Your Requirements.

KENWOOD, COLLINS, DRAKE, ICOM, MICROLOG, CUBIC, HAL, SYT, TEMPO, KLM, LUNAR, STANDARD, HY-GAIN, HUSTLER, LARSEN, J.W. MILLER, VIBROPLEX, BENCHER, ANIXTER-MARK, CES, MIDLAND, AZDEN, MIRAGE, ZENITH DATA SYSTEMS, And Many Other Fine Products.

"We Service What We Sell" "Hablamos Español"

RATE CARD INFO. HAMBAR service of electronic equipment ONLY is available to all subscribers, amateurs and non-amateur at the rate of 10cents per word, which includes address, call sign, etc. Minimum charge for any HAMBAR is $3.00. All commercial and non-subscribers rate is 15 cents per word. Minimum charge of $5 00 for each HAMBAR. No reruns. Each HAMBAR must be resubmitted each month. No ad will be published unless accompanied by full remittance! We require all HAMBAR ads contain the full mailing address, call sign and the ZIP, Area-phone number, if any. Make it EASY for person wanting to buy YOUR equipment. No HAMBARS via telephone! COMMERCIAL DISPLAY. Full Page $120.00. Half Page $75.00, 1/4 Page $55.00 and 1/8 Page $36.00. CAMERA READY. Lay-out, make-up, typeset fee is extra according to size of ad and typset required for same. DEADLINE for all Hambars and ads, 8th of each month in P.O. Box 501, Miami Springs, FL 33266. Normal mailing date 25th of each month. Thank you for your cooperation. Editor.

FOR SALE: SAMS Photofacts manuals. 6EA. 4 drawer steel cabinets. Contains packs from approx. 800 to 1600: $450.00 O. B. O. cabinets included. Jerry Meeks W4DZN, 7745 Coral Blvd., Miramar, FL 33023 305 987-4055 Miramar or 587-8501 Ft. Lauderdale.

MIDDLE AGE IS WHEN YOU FEEL YOUR GETTING AHEAD JUST BY STAYING EVEN . . . .

SELL:: SHURE Microphone mod. 545-SD brand new in carton $85. 4 -- 4CX150-B new in sealed plastic packages $10. each. Genuine Vibroplex Super Deluxe finish presentation model $85. Classic Collins low pass filter $40.oo Classic the Vibroplex Horace G. Martin BUG with carrying case about 60 years old or more $95.00 Swap Tektronix Oscilloscope model S-54-A 10 MHz never used still in carton for Kenwood TR-2600 new or near new. Walter Koehanek W1KWA, 708 Willow Dr. Lehigh, FL 33936 813 369-8247.

FOR SALE: A 50 ft telescoping, tilt-over tower, guy wires and building attach kit - asking $175. Also a continuous duty 12.6 volt xfmer (a full wave bridge gives you 17.6 volts at 200 amperes or more. Asking $50. Walt Zmetronak W2MHL, 1650 N.E. 60th St., Ft. Lauderdale, FL 33334 305 - 771-4459.

ESTATE SALE: E-Z Way tower, 40 ft crank-up, tilt-over, house-mount, you take down and haul $100. ICOM IC-730, mic and manual, like new condx, still in box $425. ICOM IC3PA power supply $45. Collins 75S3B with manual very clean $325. Collins 32S-1 Xmter with Manual $325.00 MFJ Versa Tuner II Mod. 941-D 300 Watt $75. B&W 5-position Coax swtch Mod. 550-A $12. B&W 2 ant. Coax Switch $8. TAMM hi-Z earphones $12. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874

SELL: SELL: TS520 with service manual $300. TS520S with CW filter and Service manual $350. Plus shipping both excellent. WANTED: 1Kw ant. tuner. A. E. Cannon W4HLO, 505 N. Boyd St., Winter Garden, FL 32787 305 656-3250.

Old book lovers! Radio, electronics, engineering, physics, chemistry, general scientific. Some new, You name it. Approximately 200/250 volumes. Sold as lot only. Clean and kept in air conditional labrary. Best cash offer over $200. Pick up. S. T. Carter, II W4NHC, P. O. Box 3177, Indialantic, FL 32903 305 727-3015.

FOR SALE: ATLAS-210X 10-15-20-40-80 digital readout, plus mobile hook-up, N.B. mike. On the air now. All manuals. Excellent Condition $300.00 Phillip J. Craig K4CRU, 115 S. Entrada St., Hollywood, FL 33021 305 - 983-4536.

TODAY'S THE TOMORROW YOU DREADED YESTERDAY; NOW YOU KNOW WHY. . . .

SWAP HAM RADIO related programs for Commodore 64/128. Send disk of programs receive disk fcprograms back. Don Trayes WB4CVH, 38 Elwood Pl., Goose Creek, SC 29445 803 797-5185.

SELL: YAESU FT7 10-80M, new mike copy FT-7B manual $175. Perfer pick-up - consider UPS. Rudy Parrish WD4AFT, 2509E Laura Pl., Orlando, FL 32803 305 894-5328.

ESTATE SALE: Collins 30l-1 Amp. clean with manual $525. Collins SSB mike SM-3 $25. Astatic Mod. DN-HZ mike with chrome PTT stand; cord and std 3-connector plub $22. NEW in box W2AU 1:1 Balun with built-in lightning arrester $10. Micronta Dynamic Transistor Checker NPN/PNP etc. $8.00. DRAKE TR-7, TR-5 etc PPT mic with std Drake plug $25. Archer SWR meter Field Strength meter $8.00. HORH tower with base plate, and rotor mount, 12 ft. for mounting a top another building $45. pick up only. All items plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

IF IN DOUBT ABOUT WHAT KIND OF TIME YOUR HAVING AT A PARTY: SNEAK A PEEK AT YOUR WIFE'S FACE. . . . .IBM COMPATIBLE COMPUTERS: Turbo-Xt, 20-Meg hard-disk, 1-floppy, monitor 1 year warranty $1295. Panasonic printer 1080. 2 year warranty $259. XT compatible system starting. : $575. AT compatible system, starting $1495.00 SHOP AROUND THEN SEE US LAST! INTERNATIONAL RADIO COMPUTERS, 747 South Macero Blvd. Pt. St. Lucie, FL 33452 305 879-6868.

SELL: BIRD 43 with 25C 100H $125. Millen GDO $50. Tripplite 4.5 Amp. supply $30. Autek QF-1A $40. Rotary inductor, Broth dial, capacitor $40. You ship above. For pickup only. Heath Cantenna with oil $10. 12 volt auto battery with charger $10. Richard McIntyre K4BNI, 611 Coral Drive Cape Coral, FL 33904 813 542-8586.

USED GEAR: Kenwood R-1000 gen. cov. rcvr $265. SM-220 monitor scope $25. TS-520 Xcvr $299. SP-520 spkr $45. YEASU: FR-101S, short wave rcvr $299. FRG-7 gen. cov. rcvr $225. FRG-7 erly $199. SP-107 Spkr-patch $75, FV-107 VFO $85. FT-101B & VFO $350. DRAKE: R4C $225, TR4C AC4 $275, TR4CW, AC4 $350. R4C, T4XC, AC4, MS4 $525. MN-4 $85.00 WANTED: GOOD CLEAN used gear - complete stations purchased, call Tony Musero K3UKW, 1609 So. Iseminger St., Phila., PA 19148 215-271-8898

FRIENDS ARE THE ONLY PEOPLE YOU CAN MAKE ENEMIES OF. . .

FOR SALE: Wilson rotating tower with extension precently supporting Telrex TB6EM six element tri-band beam at 68 ft. Tail twister motor at base of tower, no guy wires. Tower weight 600 pounds and is 6 inch O.D. at base section. Similar to Model MA-550 MDP on page 90 of current QST January. 50% off $300. with motor to raise and lower tower remotely included. Also 1kW Heath 220 50% off and much other equipment 50% off. Come and visit my ham shack and see and operate equipment and get at least 1 dozen ham magazines free. Ros Akre W4ZZZ, 6121 SW 82 Ave., Miami, FL 331430. 305 271-9292.

FOR SALE: DRAKE L4B linear 2kW PEP 80 thru 10 meters in operating condx at QTH $675. Also Drake MN-2000 antenna tuner, 2kW PEP 80 thru 10 meters $200. Pick up only. Call after 6:30 PM evenings at 305 - 653-1183 Bob Kaplan WA4WTG, 445 NW 202 Terr., Miami, FL 33169.

IT MATTERS NOT WHETHER YOU WIN OR LOSE UNTIL YOU LOSE...

220 MHz handi-talkie, Wilson 6 freq w/charger $95, 220 MHz pre-amp, 1 Hamtronics, 1-Advanced Receiver Research $25. each GLB automatic identifier no. ID-2 $50. G. A. Pohl P. O. Box 391, Elfers, FL 34259 (Note: No Call pr phone number available.)

ESTATE OF W4GZW: Heathkit Impedance meter AM1 $7. Power meter AM2 $20. Condenser checker G-3 $45. Grid Dip Meter GD1B $15. Counter IM-4100 $45. Luci Company Tranister $5. Communication power 23ch AM SSB mobile & base station, dig. read-out $60. 120 ft. di-pole antenna, 450 ohm ladder lead-in, complete to install $35. hi-voltage variable capacitor, write. L. L. Jezorek W4LC, 20 Celestial Way, Juno Beach, FL 33408.

WANTED: BE ON THE LOOK OUT FOR HAM AUTO LICENSE TAG WB4KSD on any auto. Tag was stolen from Joe Petera's car while at work. If seen contact Joe at 4111 NW 37 Ave. D-424, Miami, FL or contact the Miami Police Department.

PRE HAMBOREE SALE Pick up only. 1 heavy duty G.E. power transformer 2000/2500 V.C.T. $75. 1 heavy duty U.T.C. power transformer 2400/2900 V. C. T. $75. 2 Tubes 4-250 new $50. 2 4CX150 new $25. 2 tubes 813 new $15. 2 tubes 811 new $5. each. 2 tubes 100th new $15. each. 8 tubes 6146 new $4.30 . 4 tubes 866 rectifiers $5. each 6 tubes 2E26-2E24-25 new $4. each. 8 filter capacitors new 4000 volt $8. each. 1 vacuum variables UCSL-5 to 1-750pF 3000 volt variable $90. 3 vacuum 2 fixed in holders - (JCS1 7.5 1099-35) (JCSL 750 1101-62) (UCSL 750 1385-132) $25. each. 1 vacuum relay $10. each. More goodies in warehouse. Pick-up only, cash only. Call AM 9 to 10 or Eve. 5 to 7 PM 305 458-6094, W4LP Louis Perlmutter J.L. Industries Warehouse in Hallandale by Appt only! !

N O T I C E: FEEL FREE TO use our carrier operated 444.625 output 449.625 repeater located in Dundee, Florida. We beleive it to be better than some of the better 2 meter repeaters..... K4VGE & WA4HJM, Dundee.

FOR SALE: REPEATER. 2 meters, 30 watts. Never used. S&B/VHF Engineering Design $500. Joel Kandel, KI4T, 5463 SW 92 Ave., Miami, FL 33165 305 596-9373.

WANTED: Instead of wrappin your garbage in your old copy of FLORIDA SKIP, give it to a friend who might be interested in signing up. Every lil bit helps you know. Thanks Editor - AC

YOU CAN ALWAYS TELL HOW MUCH A WOMAN HATES TO WORK FOR A LIVING BY LOOKING AT THE KIND OF HUSBAND SHE MARRIED. . . .

GARAGE SALE: Each saturday 9AM to Noon. Thousands of parts, cable, muffin fans, audio (commercial) amateur units, and transformers. You name it, you price it. Andy Clark W4IYT 41 Lenape Dr., Miami Springs, FL. All MUST GO XYL says ! ! !

LAST CALL FOR OUR SKIP ADDRESSOGRAPH plate maker and two Mod. 900 address machines. With two 20 drawer metal cabine and about 8000 metal address plates. This is too good to throw away! It is exteremly dependable and will last another 20 years without trouble! If your Club, Church, or Company can use this equipment please let me know before March 1st. After that it goes to the junk yard. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874. New $8K askin $75

NOTICE: DEADLINE for all items the 10th of each month. Can accept HAMBARS until 15th in Box 501, Miami Springs, FL 33266. Anything received after the 15th will be held over for next month.....Thanks Editor

SELL: Kenwood R-7950, mint, all accessories, few hours used, never used mobile $350. FIRM' Three element Cushcraft Bib Wheel, unused $15. Dr. M. J. Billings W2BIV, 3800 South Ocean Dr., Hollywood 33019 305 458-4146 4146.

FOR SALE: AEA code and RTTY converter MBA-RC $200. AEA RS-232 $50. Commodore RS-232 $20. George Fenning WD4FNX, 900-2021 U. S. 41 N., Brooksville, FL 33512 904 799-6630.

SELL: TR9130 $375. Mira es144 MHz amplifier B-3016 $175. KLM-432 MHZ 110 W. Amplifier $275. All three units have less than one hour air time. One 4-400A new surplus $65. Two 4-400As used but good $50. for both. Plus shipping. Charles Borg N4JQH, 458 Borraclough Ave N.W., Palm Bay, FL 32907 305 725-0011.

SURPLUS' Like new Kenwood TS-530S less mike, used less than 75 hours for stand-by and local. $425. Ray Andrews K4FEI, 7 Terrice Gardens, Lakeland, FL 32801 813 686-4918.

SELL: KENWOOD TM-201B (no speaker) $250. Heathkit Ant. Tuner SA-2060 1Kw 1.8 to 30 MHz $130. AEA PK-64 with HFM-64 modem and packet radio handbook $270. Forrest Haynes K4YPO, 4419 Forest Rd., West Palm Beach, FL 33406 305 965-0419.

IF YOU WOULD HAVE THE WORLD BEAT A PATH TO YOUR DOOR-TRY TAKING A NAP' (K1GGP Korner)

SELL: YAESU FT-101, mic, cables and manual. Rig works good and in good shape $250. Dewey Mathis WA4MAG, 16040 Mellen Ln., Jupiter, FL 33478 305 746-2726.

HERE'S A GOOD DEAL! If you've got the patience to fix the wiring mistake, my HW101 is your for $75.00. U Fix U ship! Also have several other Heath items in case you're interested. Dan Noe WV4Y, 11451 129th Ave. N., Largo, FL 33544 813-581-0167.

WANTED: Clean Collins 75A4 with filters. Give full details and price. Milt Levy W5QJT, 101 E. Driftwood No. 44, Fredericksburg, TX 78624.

FOR SALE: Kenwood TS-530S $395. DG-5 display $175. SP-520 speaker $25. AT-200 ant. tuner $100. Shure 444 mic $25. Viking phone patch $25. Manuals. All in excellent condx. Ralph Jordak W4MCJ, 11041 NW 41 Ct., Coral Springs, FL 33065 305 752-4581.

HELP--Please som eone share the schematic, etc for the SWAN DD76 Digital Read-out unit used with the Cygnet 270 etc transceiver. Jerry Skinner, K4LVZ, 1946 Bonanza Ct., Winter Park, FL 32792 305 679-0976.

CLEAN SHACK: YEASU FT-301S $100. ICOM-230 $90. Hallicrafters 2 meter transverter $140. ICOM IC-202S $120. Ed Purvis WA4NJY, 808 45h St. West, Bradenton 813 746-1642.

FOR SALE: ENGRAVED NAME BADGES WITH LOGO'S OR PLAIN DESK SETS' MAGNETIC CAR OR TRUCK SIGNS.. SIGNS BY BOB Robert Tibbetts KA1OFG, 16041 Brookridge Blvd., Brooksville, FL 33573 904 596-7086.

THE IDEAL MAN IS TALL, DARK, AND SOME.

SELL: AZDEN PCS4000, mike $225. Atlas 215X, mobile mount, Shure mic, Hustler mobile ant. 15-80 $225. HQ170 with matching speaker $95. Heath HW5400, Opition filter, keypad, power supply and spare final sistors, factory aligned and test $675. Hq129Z, manual $40. Soundpower SP100 speech processor $60. MFJ Grandmaster keyer $50. 5 volt 50 amp Noe supply (linear) $125. Tektronics 535 FREE. All U ship. Joe Pfeuffer KW1K, 707 Endicott Rd., Melbourne, FL 32935 305 259-7102.

TRAFFIC HANDLERS: Acquire a back-up rig at low cost! Heath 75M HW-12 transceiver with power supply $75.00 plus UPS. Jerry Skinner, K4LVZ 1946 Bonanza Ct., Winter Park, FL 32792 305 679-0976.

FOR SALE: A CW pulse generator to efficently and safely tune-up any R F amplifier. Duty cycle 33 percent. Operated by insertion into CW jack. These were displayed at the Orlando and Melbourne hamfest this year. $35. Each. Including shipping and battery. Les Griner K4SJC, Box 5487, Titusville, FL 32783 305 267-1565.

YEASU FT-208R, used few hours, new condition, new price 318.00 asking $195. Yeasu NC-8 Charger, with Trickle, Standard and Rapid charge. 208R can be used as a "Base station" in charger. NC-8 also brand new. New price 92.50. Asking $69.00 Andy Clark W4IYT 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874. PLUS UPS.

NOTICE!!! DO NOT CALL THE EDITOR ABOUT HAMBARS! MAIL ONLY!

SELL RTTY Package. Hal CT2200, KB2100, USI monitor (amber) $300.00 OBO GE Terminet 300 KSR KSR teletype $150. Kenwood TS-830S with VFO-240 $700. No shipping. U pick up. John Sanders WA4DNS, 4711 S. Himes Ave. Apt. 2204, Tampa, FL 813 831-6001.

FELLOWSHIP DOUBLES OUR JOY AND DIVIDES OUR GRIEF.... ..

SELL: DRAKE MN2700 matching network tuner $225. AF-1 Autek filter $25. Geo Booras W4GXY, 1501 NE 147 St., Miami, FL 33161 305 945-9558.

SALE: SENTEC ST-142 two meter xcvr complete with charger, leather case and mic. Used less than one hour price $150. Includes postage. Herman Agostini WB4FJY, 2143 N. Hampton Cir., Winter Park, FL 32792 305 - 657-2857.

RTTY: Own the finest! Complete Hal RTTY system: DSR3100 video terminal, MPT-3100 (MSO) message storage system, ST-6000 TU with built-in scope, MPT-3100 message storage system. All in perfect working condx. With all current factory modifications. Cost new $4000.00 Asking $2500. or best offer. Bill Wright W4NVC, 21902 Lake Forest Cir. Boca Raton, FL 33433 305 392-4174.

IF IGNORANCE IS NO EXCUSE WHAT GOOD IS IT?

FOR SALE: YEASU FT207R, drop in charger, battery sleeve, extra battery and antenna, speaker mike, leather case, service manual $150.00. UHF receive converter $20. Two Coneac 9 inch monitors, service manual $20. for both. RG-8 coax 100 ft with connectors $10. HP-608 signal generator $60. Miniture 2M FM transmitters $10. Wayne Poole KC4XL, 8926 Byron Ave. Surfside, FL 33154 305 864-5249.

SALE: PC-1A Kenwood phone patch, new still in box, never used $60. Tempo S5 HT, many extras $125. Eli Nannis K4JMH, 14996 Imperial Pnt. Dr. N., Largo, FL 33544 813 595-3111.

FOR SALE: YEASU FT709R 440 MHz HT, manual, charger, like new all $175. Criftcraft DX-122 2 mtr 4-stacked 3 Ele. beams with cross-over, can be pounted Horiz or vert, pick-up $30. Like new SEARS solid State 12 " B&W TV new 1985, beautiful pix $35. Roll- around chrome TV cart $8.00 Andy Clark W4IYT 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

SELL: TEMPO 2020 transceiver AC/DC (2) 6146B finals. Low pass filter. Heath SWR Bridge. VIC 20 computer with Kantronics interface and Ham-soft software. Transmit and receive CW, RTTY, ASCI. Wired and with all cables ready to hook to antenna. Will Demonstrate. Make offer. Jack En o WB4DNU, 2625 Teakwood Dr., Clearwater, FL 33520 813 535-3841.

FOR SALE: DRAKE TR-3, RV-4 remote/AC power supply $200. Drake T4XB, R-4-B MS-4/AC power supply $350.
Pick up only. George Myers WB4WGP, 1735 Penny Ln, Clearwater, FL 33516 813-442-9160.

BEFORE BLOWING YOUR OWN HORN, ITS ALWAYS WISE TO LEARN TO READ THE MUSIC. . . .

SALE: YEASU FT709R 440 Handy, NC-15 quick charger, MH-12 speaker mike and tone unit new in boxes $250. Radio control equipment - two complete Jr. Century Seven Systems, brand new never used $395. Other R/C gear too numerous to list. Garret ground hog metal detector, like new with nicads $185. Bob Abend KC4ZO, 1265 Palmdale Cir. Palm Bay, FL 32905 305 723-7774.

SALE: HUSTLER 75 meter mobile antenna $25. Mel Schutz W4HXF, 126 Golden Isles Dr. Hallandale, FL 33009 305 458-0929.

Sale: R-390A parts, exc condition, from a good operating receiver. All with tubes PTO $35. RF deck, complet e Assy $50. Front Panel and main frame Assy $25. Includes knobs, AF deck $20. Original blue manual $35. or will trade all for an exc. Drake R4B. Julian Holt, 596 South Edgewood Ave., Jacksonville, FL 32205 904 388-1748.

IF MEDICAL SCIENCE HAS REALLY IMPROVED, WHY IS IT THAT WE FELT SO MUCH BETTER 20 YEARS AGO? . . . .

Sell: DFC-230 $99. Astron RS20A $60. ICS with TT-Mic. $100. Quasar 5 inch B&W portable $60. IC-PB4 $10. JC-BP5 $20. Syncom preamp $20.00 Tektronix 565, 50 MHz with mobilcart, spectrum analyzer L-20 all manuals NOT SURPLUS $999.00 Hy-Gain TH7DXX (the best) ready to pick - up with manual. $375. Ham IV rotor $150. Send SASE for monthly new used equipment list. INTERNATIONAL RADIO & COMPUTERS, 747 So. Maceno Blvd., Port St. Lucie, FL 33452 305 879-6868.

FOR SALE: Hustler 6BTV with manual - only 6 months old $95. Ronald McLean KK4CR (KA8RHO) 101 Tally Ho Lane, Zephyrhills, FL 34249.

WANTED: OOTC (Old Old Timers Club) members to meet your old old friends each Sunday at 2 PM on 3955 ,kHz. Us old guys gotta stick together, you know!! Bob W4NWF, Net Mgr.

A real ole timer in Florida is Jerry Meeks, W4DZN of Miramar. He is now retired and enjoying Amateur radio and computers. When Ye Ed first came to Florida in April of 1946, Jerry was my "ELMER" in building first 813 Kw CW/AM rig in a six foot rack! See Jerry's HAMBAR about selling his SAMs repair collection. Thanks Jerry for all your help back in the good ole days.....AC

(From front page.)

amateur radio . . . not a snobbish group able to buy the best, nor group of engineers who know everything and never make a mistake."

Finally I quote from one of Maxim's QST editorials, the issue was Sept. 1927. ". . . I ask myself how it all came about, how the ARRL (and amateur radio) should have succeeded, and all its opponents failed. The answer is clear. It is because with our opponents there was always some kind of selfish motive . . . whereas in 'our' ARRL we insisted from the beginning that no selfish motive for anybody or anything should ever prevail . . . (and all) must be 100 percent for the general good. With those two things an organization can prosper forever."

Maxim's amateur call was '1AW.' He gave it to the ARRL and by special Act of the Dept. of Commerce the official call sign of the ARRL station has ever been W1AW.

It is well we remember Hiram Maxim's efforts for which amateur operators of all time can be grateful, but it is even more important that we remember and reflect his attitudes about the hobby, the selfless joy of radio communication, and our organizational effort to be directed One-hundred percent for the general good.

—Lest we forget!

—submitted by Jim Hirschman, K4TCV

Quotes taken from, "HIram Percy Maxim," by A. Schumacher, Ham Radio Pub. Grp., Greenville, NH, 1978.

AURORA AUSTRALIS

By Marie Snow, WA4KXQ

If you haven't yet observed the Aurora Australis or if you are not a regular attendee of a Disco or a Singles Bar, an opportunity without precedence awaits you at the 27th Annual Tropical Hamboree on February 7th and 8th.

Designed and built by three members of the Hollywood Amateur Radio Club, this contraption will literally take you to the "Down Under" where you may experience the awesome Aurora Australis, otherwise known as the Southern Lights. You will see a display of vivid, mind-boggling, flashing hues of all of the colors of the rainbow, beating, pulsing, throbbing, and all activated by a "Chaser." Unbelievable, you say? Stop by the Hollywood Amateur Radio Club booth at the Hamboree and see this remarkable "Nagro Roloc" which will transport you to outer space and beyond.

Instigators of the device which originated from Australia courtesy of Dick Smith, were Les Dwyer, KA4B; Lou Leone, KB4NRW; and Mike Spremulli, KB4QZC. Initial construction was begun by Mike with both Les and Lou combining and coordinating to come up with the finished product, a phenomenon beyond the realm of credibility.

DX IN FLORIDA

By Tom Mannix, WA4YLD

Hello DXers from the SFDXA. All requests for information or comments about the column should be directed to WA4WJ, Don via the callbook address, or the repeater 147.930/330.

Since we last submitted an article DX has not been too bad. The ARRL's Golden Jubilee DXCC Contest has really strired up a lot of activity on the bands and brought out some good DX stations. Make sure that each of you gets this nice award.

I ran across the following article by N6CW which has some very good information for DXers on QSLing. With his permission we present the article in its entirety.

How to make the QSL Manager happy

By W6CW

1. QSL Cards

Your QSL card should have the QSO information and your CALLSIGN on the same side. If they are not printed that way, write your call on the information side. It is very time consuming to turn cards over to find your callsign. Thirty Five percent of cards received have this problem.

Save cheap cards available to send to managers of expeditions (they are usually thrown away). Save your nice cards for non-expedition stations.

It is essential that you have the correct Date/Time/Band, etc. on the card. Send separate cards for each band, and separate envelopes for each if you are in a hurry to get cards returned. Any card received that is not found in the log on the first try, or multiple cards which require extra time are put aside until all others are finished.

2. Envelopes

Always enclose an SASE. Use standard letter size envelopes, preferably the self-sealing type. Legal size and 5x7 sizes are a problem to file.

3. How to put it all together

Fold your return envelope (SASE) in half, and insert in sending envelope with the fold at the bottom. This keeps your SASE from being cut in half with a letter opener. If you are enclosing a green stamp (dollar bill) with the card, place it in the fold of the SASE, not inside where it may not be found. Finally, place your QSL in the fold of the SASE. Following these instructions will result in a neat package with the card, green stamp or IRC's and SASE all coming out of the sending envelope in one action.

4. Other hints

Don't write nasty notes to the manager about the expedition (he is fair game however, if he was on it).

Do have patience. It takes time to have cards printed following an expedition, and this causes a huge backlog to answer. Following the above instructions will insure a quick response.

If your card is rejected as NOT IN LOG, wait several months until the manager is caught up and try again (sometimes we make mistakes).

I am the manager for the following stations: AJ3JV, KV4JV, KT6V/KH9, W7KHN/KH9, PY0SJ, PY0SP PY0ZSA, PY0ZSB, PY0ZSC, VP2VCW, VP2VDH, VP2VER, VP2VFK, VP2VFL.

INTERNATIONAL AMATEUR RADIO NETWORK

The International Amateur Radio Network (IARN) is a private organization which has grown out of recent Amateur Radio emergency networks providing important international emergency communications.

The goal of IARN is to take advantage of past experience and contacts in an effort to have ready an even better amateur response to any future crisis with international ramifications. There is a need to both remain independent of politically oriented radio organizations and to interface with these and other organizations where appropriate.

All groups and individuals interested in IARN are encouraged to join in and contribute their ideas and support. Check in to the regular nets on each odd Saturday of every MONTH: SSB — 14.160 MHz at 1430Z (emergency/alternate 14.275 MHz); RTTY — 14.090 MHz at 1530Z.

Check-in, call or write whenever you can. Special skeds can and will be arranged to stay in touch with all interested parties. Routine frequencies monitored are 14.313 MHz or 14.332 MHz.